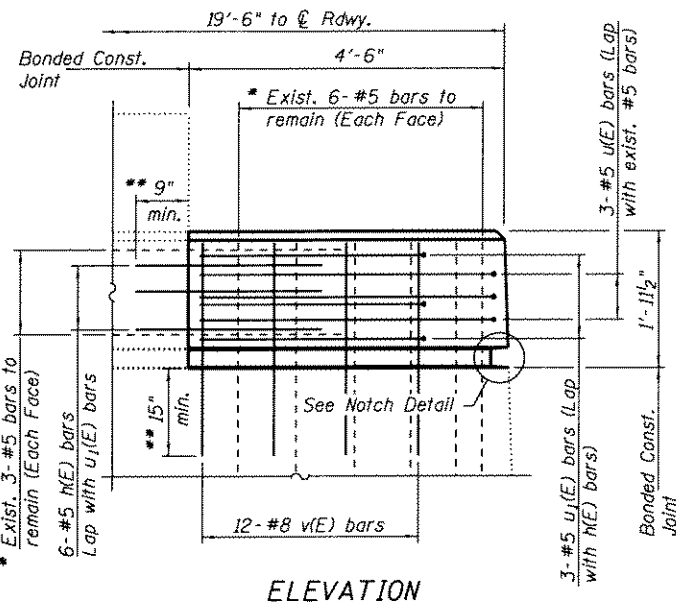


NOTCH DETAIL



PIER CAP REPAIR DETAILS

- Reinforcement bars that are damaged during Concrete Removal operations shall be repaired or replaced using an approved Bar Splicer or Anchorage System. Cost included with Concrete Removal
- ** Drill and Epoxy Grout #5 Bars into 9" min. drilled holes and #8 bars into 15" min. drilled holes in the existing pier cap with 4" min. clear cover according to Article 584 of the Standard Specifications. Method and Grout are subject to the approval of the Engineer. Cost included with Reinforcement Bars, Epoxy Coated.

Notes:

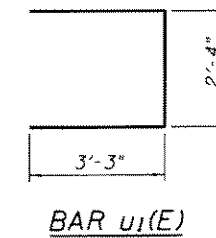
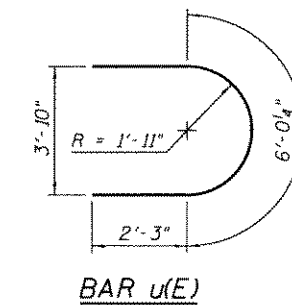
1. Existing reinforcement shall be cleaned, straightened (if required) and incorporated into the new construction. Cost included with Concrete Removal.
2. See sheet 22 of 28 for Truss Bearing Removal and Reinstallation Details.
3. Work this sheet with sheets 19 and 20 of 28.

PIER 3
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#5	2'-8"	—
u(E)	3	#5	10'-6"	U
u1(E)	3	#5	8'-10"	U
v(E)	12	#8	3'-1"	—
Concrete Removal			Cu. Yd.	1.3
Concrete Structures			Cu. Yd.	1.3
Reinforcement Bars, Epoxy Coated			Pound	180
Epoxy Crack Injection			Foot	38
Structural Repair of Concrete (Depth > 5")			Sq. Ft.	349.0
Temporary Shoring and Cribbing			Each	5

PIER 4
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#5	2'-8"	—
u(E)	3	#5	10'-6"	U
u1(E)	3	#5	8'-10"	U
v(E)	12	#8	3'-1"	—
Concrete Removal			Cu. Yd.	1.3
Concrete Structures			Cu. Yd.	1.3
Reinforcement Bars, Epoxy Coated			Pound	180
Epoxy Crack Injection			Foot	35
Structural Repair of Concrete (Depth > 5")			Sq. Ft.	594.5
Temporary Shoring and Cribbing			Each	5



Design firm
no. 184001036



USER NAME = #OPERATOR#	DESIGNED - FLL/SBC	REVISED
FILE NAME = 0820877-08088.dgn	CHECKED - CWC/SBC	REVISED
PLOT SCALE = 1/2" = 1'-0"	DRAWN - FLL/DLH	REVISED
PLOT DATE = 11/14/2012	CHECKED - CWC	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 3 AND PIER 4 REPAIR DETAILS
STRUCTURE NO. 082-0077

SHEET NO. 21 OF 28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	421 BR-1	ST. CLAIR	43	36
CONTRACT NO. 76F75			ILLINOIS FED. AID PROJECT	